

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: **Lowery et al.**

Serial No.: **Not yet assigned** Group Art Unit: **1646**

Filed: **Concurrently herewith** Examiner: **Joseph F. Murphy**

Title: **DROSOPHILA G PROTEIN COUPLED RECEPTORS, NUCLEIC ACIDS AND METHODS RELATED TO THE SAME**

EXPRESS MAIL INFORMATION
EXPRESS MAIL LABEL NO: EL964553810US

DATE OF DEPOSIT: December 15, 2003

Mail Stop: Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

SIR:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the attached PTO-1449 and PTO-892 forms submitted herewith.

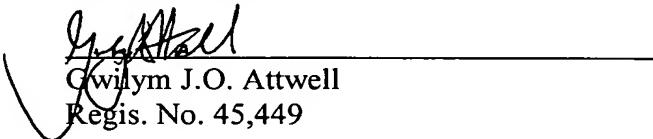
Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

Copies of the references cited on the attached PTO-1449 and PTO-892 forms can be found in the parent case, U.S. Serial No. 09/693,746, filed October 20, 2000.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

No first Official Action has yet been received and it is presumed that none has yet been mailed. No fee or certification is required. 37 C.F.R. § 1.97(b).

Respectfully submitted,


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Enclosures:

PTO-1449 (18 sheets)
PTO-892 (1 sheet)

Dated: December 15, 2003

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Form PTO-1449 Modified		Docket No. PHRM-0295/ 6297.1CP	Serial No. 09/693,746
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant David E. Lowery, et al.	
U.S. Department of Commerce Patent and Trademark Office		Filing Date October 20, 2000	Group 1646
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	HF	Adams, M.D., et al., "The genome sequence of drosophila melanogaster," <i>EMBL/GenBank/DDBJ</i> , XP-002176201, March 21, 2000, 3 pages	
	HG	Alcedo, J., et al., "The drosophila smoothened gene encodes a seven-pass membrane protein, a putative receptor for the hedgehog signal," <i>Cell</i> , XP-002166694, July 26, 1996, 86, 221-232	
	HH	Celniker, S.E., et al., "Drosophila melanogaster, chromosome X, region 17C-17E," <i>EMBL</i> , XP-002176202, October 22, 1999, 2 pages	
	HI	Celniker, S.E., et al., "Drosophila melanogaster, chromosome 2R, region 42A8-42A16, P1 clones DS06954 and DS05325," <i>EMBL</i> , XP-002176200, March 24, 1999, 2 pages	
	HJ	Celniker, et al., "Drosophila melanogaster, chromosome 3R, region 83D-83D, BAC clone BACR26C09," <i>EMBL</i> , XP-002176198, September 17, 1999, 2 pages	
	HK	Muzny, D.M., et al., "Drosophila melanogaster clone RPC198-10L1," <i>EMBL</i> , XP-002166695, August 23, 1999, 3 pages	
	HL	Muzny, D.M., et al., "Drosophila melanogaster clone RPCI98-23M20," <i>EMBL</i> , xP-002176199, August 23, 1999, 3 pages	
	HM	Nichols, R., "Isolation and structural characterization of drosophila TDVDHVFLRF amide and FMRF amide-containing neural peptides," <i>Medline</i> , XP-002166696, 1992, 1 page	
	HN	Taghert, P.H., et al., "Interspecific comparison of a <i>drosophila</i> gene encoding FMRF amide-related neuropeptides," <i>J. Neuroscience, USA</i> , 1990, 10(6), 1929-1942	
	HO	Copy of PCT International Search Report dated October 29, 2001	
EXAMINER		DATE CONSIDERED	

Form PTO-1449 Modified		Docket No. 6297.1cp/ PHRM-0295	Serial No. 09/693,746
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Lowery et al.	
U.S. Department of Commerce Patent and Trademark Office		Filing Date October 20, 2000	Group 1623
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
<input checked="" type="checkbox"/> AA	Allen et al., "Modulation of CD4 by Suramin", <i>Clin. Exp. Immunol.</i> , 1993, Vol. 91, pp. 141-156		
<input type="checkbox"/> AB	Altschul et al., "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs," <i>Nucl. Acids Res.</i> , 1997, 25(17), 3389-3402		
<input type="checkbox"/> AC	Altschul et al., "Basic Local Alignment Search Tool," <i>J. Mol. Biol.</i> , 1990, 215, 403-410		
<input checked="" type="checkbox"/> AD	Anafi et al., "Tyrphostin-Induced Inhibition of p210 ^{bcr-abl} Tyrosine Kinase Activity Induces K562 to Differentiate", <i>Blood</i> , 1993, Vol. 82, No. 12, pp. 3524-3529		
<input type="checkbox"/> AE	Anderson, W. F., "Human gene therapy," <i>Science</i> , 1992, 256, 808-813		
<input checked="" type="checkbox"/> AF	Aukrust et al., "Enhanced Levels of Soluble and Membrane-Bound CD40 Ligand in Patients with Unstable Angina. Possible Reflection of T Lymphocyte and Platelet Involvement in the Pathogenesis of Acute Coronary Syndromes", <i>Circulation</i> , 1999, Vol. 100, pp. 614-620		
<input type="checkbox"/> AG	Ausubel, et al. (Eds.), "Chapter 6, Screening of recombinant DNA libraries," <i>Current Protocols in Molecular Biology</i> , 1994, John Wiley & Sons, 6.0.1-6.4.10		
<input checked="" type="checkbox"/> AH	Baindur et al., "Selective fluorescent ligands for pharmacological receptors," <i>Drug Dev. Res.</i> , 1994, 33, 373-398		
<input checked="" type="checkbox"/> AI	Baker et al., "Induction of Acetylcholine Receptor Clustering by Native Polystyrene Beads. Implication of an Endogenous Muscle-derived Signalling System", <i>J. Cell Sci.</i> , 1992, Vol. 102, pp. 543-555		
<input checked="" type="checkbox"/> AJ	Barker et al., "In-Vitro Activity of Non-glutamate Containing Quinazoline-based Thymidylate Synthase Inhibitors", <i>Proc. of Am. Assoc. for Cancer Res.</i> , 1991, Vol. 32, page 327		
<input type="checkbox"/> AK	Benoist et al., "In vivo sequence requirements of the SV40 early promoter region," <i>Nature</i> , 1981, 290, 304-310		
<input checked="" type="checkbox"/> AL	Bertino, <i>Cancer Res.</i> , "Toward Improved Selectivity in Cancer Chemotherapy: The Richard and Hinda Rosenthal Foundation Award Lecture", 1979, Vol. 3, pp. 293-304		
EXAMINER		DATE CONSIDERED	

Form PTO-1449 Modified		Docket No. 6297.1cp/ PHRM-0295	Serial No. 09/693,746
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U.S. Department of Commerce Patent and Trademark Office		Filing Date October 20, 2000	Group 1623
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
<input checked="" type="checkbox"/>	AM	Bilder et al., "Tyrphostins Inhibit PDGF-induced DNA Synthesis and Associated Early Events in Smooth Muscle Cells", <i>Amer. Physiol. Soc.</i> , 1991, pp. 6363-6143:C721-C730	
<input checked="" type="checkbox"/>	AN	Birgul, N. et al., "Reverse physiology in <i>Drosophila</i> : Identification of a novel allatostatin-like neuropeptide and its cognate receptor structurally related to the mammalian somatostatin/galanin/opioid receptor family", <i>The EMBO Journal</i> , 1999, 18(21), 5892-5900	
<input checked="" type="checkbox"/>	AO	Bohm, S. K., et al., "Regulatory mechanisms that modulate signalling by G-protein-coupled receptors," <i>Biochem. J.</i> , 1997, 322, 1-18	
<input checked="" type="checkbox"/>	AP	Bossé, R., et al., "Development of nonseparation binding and functional assays for G protein-coupled receptors for high throughput screening: Pharmacological characterization of the immobilized CCR5 receptor on FlashPlate®,," <i>J. Biomolecular Screening</i> , 1998, 3(4), 285-292	
<input checked="" type="checkbox"/>	AQ	Boulton, T. G., et al., "ERKs: A family of protein-serine/threonine kinases that are activated and tyrosine phosphorylated in response to insulin and NGF," <i>Cell</i> , 1991, 65, 663-675	
<input checked="" type="checkbox"/>	AR	Brunton, V. G., et al., <i>Proceedings of Amer. Assoc. Cancer Res.</i> , No. 3335, 1992, 33, 558	
<input checked="" type="checkbox"/>	AS	Bryckaert, M., et al., "Inhibition of platelet-derived growth factor-induced mitogenesis and tyrosine kinase activity in cultured bond marrow fibroblasts by tyrphostins," <i>Experimental Cell Research</i> , 1992, 199, 255-261	
<input checked="" type="checkbox"/>	AT	Burke, T. R., et al., "Bicyclic compounds as ring-constrained inhibitors of protein-tyrosine kinase p56 ^{ick} ," <i>J. Med. Chem.</i> , 1993, 36(4), 425- 432	
<input checked="" type="checkbox"/>	AU	Burke, T. R., et al., "Arylamides of hydroxylated isoquinolines as protein-tyrosine kinaseinhibitors," <i>BioOrganic Med. Chem. Ltrs.</i> , 1992, 2(12), 1771-1774	
<input checked="" type="checkbox"/>	AV	Capecchi, M. R., "Altering the genome by homologous recombination," <i>Science</i> , 1989, 244, 1288-1292	
EXAMINER		DATE CONSIDERED	

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<input checked="" type="checkbox"/>	AW	Chambers, R. C., et al., "Thrombin stimulates fibroblast procollagen production via proteolytic activation of protease-activated receptor 1," <i>Biochem J.</i> , 1998, 333, 121-127	
<input checked="" type="checkbox"/>	AX	Choo, Y., et al., "Promoter-specific activation of gene expression directed by bacteriophage-selected zinc fingers," <i>J. Mol. Biol.</i> , 1997, 273, 525-532	
<input checked="" type="checkbox"/>	AY	Cicala, C., et al., "Bronchoconstrictor effect of thrombin and thrombin receptor activating peptide in guinea-pigs <i>in vivo</i> ," <i>Br. J. Pharmacol.</i> , 1999, 126, 478-484	
<input checked="" type="checkbox"/>	AZ	Cirino, G., et al., "Thrombin functions as an inflammatory mediator through activation of its receptor," <i>J. Exp. Med.</i> , 1996, 183, 821-827	
<input checked="" type="checkbox"/>	BA	Colotta, F., et al., "Expression of monocyte chemotactic protein-1 by monocytes and endothelial cells exposed to thrombin," <i>Am. J. Pathol.</i> , 1994, 144, 975-985	
<input checked="" type="checkbox"/>	BB	Cosman, D., et al., "High Level Stable Expression of Human Interleukin-2 receptors in Mouse Cells Generates only Low Affinity Interleukin-2 Binding Sites," <i>Mol. Immunol.</i> , 1986, 23(9), 935-941	
<input checked="" type="checkbox"/>	BC	Cosman, D., et al., "Cloning, sequence and expression of human interleukin-2 receptor," <i>Nature</i> , 1984, 312, 768-771	
<input checked="" type="checkbox"/>	BD	Curtin, N. J., et al., "Inhibition of the growth of human hepatocellular carcinoma <i>in vitro</i> and in athymic mice by a quinazoline inhibitor of thymidylate synthase, CB3717," <i>J. Cancer</i> , 1986, 53, 361-368	
<input checked="" type="checkbox"/>	BE	Dayoff, in <i>Atlas of Protein Sequence and Structure</i> , 1972, National Biochemical Research Foundation, Washington, D.C., 5, 124	
<input checked="" type="checkbox"/>	BF	DiCuccio, M. N., et al., "A functional tethered ligand thrombin receptor is present on human hematopoietic progenitor cells," <i>Exp. Hematol.</i> , 1996, 24, 914-918	
<input checked="" type="checkbox"/>	BG	Dolle, R. E., et al., "5,7-dimethoxy-3-(4-pyridinyl)quinoline is a potent and selective inhibitor of human vascular β -type platelet-derived growth factor receptor tyrosine kinase," <i>J. Med. Chem.</i> , 1994, 37, 2627-2629	
EXAMINER		DATE CONSIDERED	

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U.S. Department of Commerce Patent and Trademark Office		Filing Date October 20, 2000	Group 1623
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
<input checked="" type="checkbox"/>	BH	Dong, Z., et al., "Activation of tumoricidal properties in macrophages by lipopolysaccharide requirements protein-tyrosine kinase activity," <i>J. Leukocyte Biology</i> , 1993, 53 , 53-60	
<input checked="" type="checkbox"/>	BI	Dong, Z., et al., "Protein tyrosine kinase inhibitors decrease induction of nitric oxide synthase activity in lipopolysaccharide-responsive and lipopolysaccharide-nonresponsive murine macrophages," <i>J. Immunol.</i> , 1993, 151 (5), 2717-2724	
<input checked="" type="checkbox"/>	BJ	Donovan, F. M., et al., "Thrombin induces apoptosis in cultured neurons and astrocytes via a pathway requiring tyrosin kinase and RhoA activities," <i>J. Neurosci</i> , 1997, 17 (14), 5316-5326	
<input checked="" type="checkbox"/>	BK	Dooley, C. T., et al., "Binding and <i>in vitro</i> activities of peptides with high affinity for the nociceptin/orphanin FQ receptor, ORL1," <i>J. Pharmacology and Experimental Therapeutics</i> , 1997, 283 (2), 735-741	
<input checked="" type="checkbox"/>	BL	Dunlop, J., et al., "Characterization of 5-HT _{1A} receptor functional coupling in cells expressing the human 5-HT _{1A} receptor as assessed with the cytosensor microphysiometer," <i>J. Pharmacological and Toxicological Methods</i> , 1998, 40 (1), 47-55	
<input checked="" type="checkbox"/>	BM	Fernandes, D. J., et al., "Biochemical and antitumor effects of 5,8-dideazaisopteroylglutamate, a unique quinazoline inhibitor of thymidylate synthase," <i>Cancer Research</i> , 1983, 43 , 1117-1123	
<input checked="" type="checkbox"/>	BN	Ferris, J. P., et al., "Synthesis of Quinazoline Nucleosides from Ribose and Anthranilonitrile. Application of Phase-Transfer Catalysis in Nucleoside Synthesis," <i>J. Org. Chem.</i> , 1979, 44 (2), 173-178	
<input checked="" type="checkbox"/>	BO	Fields, S., et al., "A novel genetic system to detect protein-protein interactions," <i>Nature</i> , 1989, 340 , 245-246	
<input checked="" type="checkbox"/>	BP	Fields, S., et al., "The two-hybrid system: an assay for protein-protein interactions," <i>Trends in Genetics</i> , 1994, 10 , 286-292	
<input checked="" type="checkbox"/>	BQ	Foote, J., et al., "Antibody framework residues affecting the conformation of the hypervariable loops," <i>J. Mol. Biol.</i> , 1992, 224 , 487-499	
EXAMINER		DATE CONSIDERED	

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U.S. Department of Commerce Patent and Trademark Office		Filing Date October 20, 2000	Group 1623
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
<input checked="" type="checkbox"/>	BR	Frandsen, E. K., et al., "A simple ultrasensitive method for the assay of cyclic AMP and CMP in tissues," <i>Life Sciences</i> , 1976, 529-542	
<input checked="" type="checkbox"/>	BS	Fry, D.W., et al., "A specific inhibitor of the epidermal growth factor receptor tyrosine kinase," <i>Science</i> , 1994, 265, 1093-1095	
<input checked="" type="checkbox"/>	BT	Gazit, A., et al., "Tyrphostins I: Synthesis and biological activity of protein tyrosine kinase inhibitors," <i>J. Med. Chem.</i> , 1989, 32, 2344-2352	
<input checked="" type="checkbox"/>	BU	Gazit, A., et al., "Tyrphostins. 3. Structure-activity relationship studies of α -substituted benzylidenemalononitrile 5-S-aryltyrphostins," <i>J. Med. Chem.</i> , 1993, 36, 3556-3564	
<input checked="" type="checkbox"/>	BV	George, S. E., et al., "Evaluation of a CRE-directed luciferase reporter gene assay as an alternative to measuring cAMP accumulation," <i>J. Biomolecular Screening</i> , 1997, 2(4), 235-240	
<input checked="" type="checkbox"/>	BW	Gerhardt, C. C., et al., "Functional characteristics of heterologously expressed 5-HT receptors," <i>Eur. J. Pharmacology</i> , 1997, 334, 1-23	
<input checked="" type="checkbox"/>	BX	Gill, J. S., et al., "Thrombin induced inhibition of neurite outgrowth from dorsal root ganglion neurons," <i>Brain Res.</i> , 1998, 797, 321-327	
<input checked="" type="checkbox"/>	BY	Grabham, P., et al., Thrombin receptor activation stimulates astrocyte proliferation and reversal of stellation by distinct pathways: involvement of tyrosine phosphorylation," <i>J. Neurochem</i> , 1995, 64, 583-591	
<input checked="" type="checkbox"/>	BZ	Greisman, H. A., et al., "A general strategy for selecting high-affinity zinc finger proteins for diverse DNA target sites," <i>Science</i> , 1997, 275, 657-661	
<input checked="" type="checkbox"/>	CA	Guerrero, F. D., "Transcriptional Expression of a Putative Tachykinin-like Peptide Receptor Gene From Stable Fly!," <i>Peptides</i> , 1997, 18(1), 1-5	
<input checked="" type="checkbox"/>	CB	Hauck, R. W., et al., " α -thrombin stimulates contraction of human bronchial rings by activation of protease-activated receptors," <i>Am J. Physiol</i> , 1999, 277, L22-L29	
EXAMINER		DATE CONSIDERED	

Form PTO-1449 Modified		Docket No. 6297.1cp/ PHRM-0295	Serial No. 09/693,746
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U.S. Department of Commerce Patent and Trademark Office		Filing Date October 20, 2000	Group 1623
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
<input checked="" type="checkbox"/>	CC	Hauser, F., et al., "Molecular Cloning, Genomic Organization, and Developmental Regulation of a Novel Receptor from <i>Drosophila melanogaster</i> Structurally Related to Members of the Thyroid-stimulating Hormone, Follicle-stimulating Hormone, Luteinizing Hormone/ Choriogonadotropin Receptor Family from Mammals," <i>The J. of Biological Chemistry</i> , 1997, 272(2), 1002-1010	
<input checked="" type="checkbox"/>	CD	Hauser, F. et al., "Molecular Cloning, Genomic Organization, and Developmental Regulation of a Novel Receptor from <i>Drosophila melanogaster</i> Structurally Related to Gonadotropin-Releasing Hormone Receptors from Vertebrates", <i>Biochem. Biophys. Res. Comm.</i> , 1998, 249, 822-828	
<input checked="" type="checkbox"/>	CE	Henikoff, S., et al., "Amino acid substitution matrices from protein blocks," <i>Proc. Natl. Acad. Sci. USA</i> , 1992, 89, 10915-10919	
<input checked="" type="checkbox"/>	CF	Hill, D. C., "Trends in development of high-throughput screening technologies for rapid discovery of novel drugs," <i>Cur. Opinion Drug Disc. Dev.</i> , 1998, 1(1), 92-97	
<input checked="" type="checkbox"/>	CG	Hodgson, J., "Receptor screening and the search for new pharmaceuticals," <i>Bio/Technology</i> , 1992, 10, 973-980	
<input checked="" type="checkbox"/>	CH	Hoffman, M., et al., "Thrombin enhances monocyte secretion of tumor necrosis factor and interleukin-1 beta by two distinct mechanisms," <i>Blood Cells Mol Dis</i> , 1995, 21, 156-167	
<input checked="" type="checkbox"/>	CI	Jackman, A. L., et al., "ICID1694, a quinazoline antifolate thymidylate synthase inhibitor that is a potent inhibitor of L1210 tumor cell growth <i>in vitro</i> and <i>in vivo</i> : A new agent for clinical study," <i>Cancer Research</i> , 1981, 51, 5579-5586	
<input checked="" type="checkbox"/>	CJ	Jayawickreme, C. K., et al., "Gene expression systems in the development of high-throughput screens, <i>Current Opinion in Biotechnology</i> , 1997, 8, 629-634	
<input checked="" type="checkbox"/>	CK	Jones, P. T., et al., "Replacing the complementarity-determining regions in a human antibody with those from a mouse," <i>Nature</i> , 1986, 321, 522-525	
<input checked="" type="checkbox"/>	CL	Jones, T. R., et al., "Quinazoline Antifolates Inhibiting Thymidylate Synthase: Variation of the Amino Acid," <i>J. Med Chem.</i> , 1986, 29, 1114-1118	
EXAMINER		DATE CONSIDERED	

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U.S. Department of Commerce Patent and Trademark Office			Filing Date March 8, 2001	Group Not Yet Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)				
	CM	Kanterman, R. Y., et al., "Transfected D ₂ dopamine receptors mediate the potentiation of arachidonic acid release in chinese hamster ovary cells," <i>Molecular Pharmacology</i> , 1991, 39, 364-369		
	CN	Karlin, S., et al., "Applications and statistics for multiple high-scoring segments in molecular sequences," <i>Proc. Natl. Acad. Sci. USA</i> , 1993, 90, 5873-5787		
	CO	Kaur, G., et al., "Tyrphostin induced growth inhibition: corelation with effect on p210 ^{bcr-abl} autokinase activity in K562 chronic myelogenous leukemia," <i>Anti-Cancer Drugs</i> , 1994, 5, 213-222		
	CP	Kettleborough, C. A., et al., "Humanization of a mouse monoclonal antibody by CDR-grafting: the importance of framework residues on loop conformation," <i>Protein Engin.</i> , 1991, 4(7), 773-783		
	CQ	Kim, J., et al., "Design of TATA box-binding protein/zinc finger fusions for targeted regulation of gene expression," <i>Proc. Natl. Acad. Sci. USA</i> , 1997, 94, 3616-3620		
	CR	King, M. J., et al., "Site-specific dephosphorylation and deactivation of the human insulin receptor tyrosine kinase by particulate and soluble phosphotyrosyl protein phosphatases," <i>Biochem. J.</i> , 1991, 275, 413-418		
	CS	Kowal, D., et al., "A [³⁵ S]GTPγS binding assessment of metabotropic glutamate receptor standards in chinese hamster ovary cell lines expressing the human metabotropic receptor subtypes 2 and 4," <i>Neuropharmacology</i> , 1998, 37, 179-187		
	CT	Kuntzweiler, T. A., et al., "Rapid assessment of ligand actions with nicotinic acetylcholine receptors using calcium dynamics and FLIPR," <i>Drug Development Research</i> , 1998, 44(1), 14-20		
	CU	Kuo, M., et al., "Effects of signalling transduction modulators on the transformed phenotypes in v-H-ras-transformed NIH 3T3 cells," <i>Cancer Letters</i> , 1993, 74, 197-202		
	CV	Lajiness et al., "D2 dopamine receptor stimulation of mitogenesis in transfected chinese hamster ovary cells: relationship to dopamine stimulation of tyrosine phosphorylations", <i>J. Pharm. Exp. Ther.</i> , 1993, Vol. 267, No. 3, 1573-1581		
EXAMINER			DATE CONSIDERED	

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U.S. Department of Commerce Patent and Trademark Office		Filing Date October 20, 2000	Group 1623
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
<input checked="" type="checkbox"/>	CW	Lee, C., et al., "Active-site directed reductive alkylation of xanthine oxidase by imidazo[4,5-g]quinazoline-4,9-diones functionalized with a leaving group," <i>Biochemistry</i> , 1987, 26(23), 7355-7362	
<input checked="" type="checkbox"/>	CX	Lehninger, "Chapter 4, The amino acid building blocks of proteins," <i>Biochemistry</i> , 2 nd Ed., 1975, Worth Publishers, Inc., New York, New York, 71-77	
<input checked="" type="checkbox"/>	CY	Lemus, et al., "Studies of extended quinone methides. Synthesis and physical studies of purine-like monofunctional and bifunctional imidazo[4,5-g]quinazoline reductive alkylating agents," <i>J. Org. Chem.</i> , 1989, 54, 3611-3618	
<input checked="" type="checkbox"/>	CZ	Lenz, C. et al., "Molecular Cloning and Genomic Organization of a Second Probable Allatostatin Receptor from <i>Drosophila melanogaster</i> ", <i>Biochem. Biophys. Res. Comm.</i> , 2000, 273, 571-577	
<input checked="" type="checkbox"/>	DA	Lenz, C. et al., <i>Drosophila melanogaster</i> allatostatin G-protein receptor mRNA, complete cds, GenBank Accession No. AF253526, July 14, 2000	
<input checked="" type="checkbox"/>	DB	Lenz, C. et al., "Molecular Cloning and Genomic Organization of an Allatostatin Preprohormone from <i>Drosophila melanogaster</i> ", <i>Biochem. Biophys. Res. Comm.</i> , 2000, 273, 1126-1131	
<input checked="" type="checkbox"/>	DC	Levitzki, A., "Tyrphostins: tyrosine kinase blockers as novel antiproliferative agents and dissectsors of signal transduction," <i>The FASEB J.</i> , 1992, 6, 3275-3282	
<input checked="" type="checkbox"/>	DD	Ley, K., et al., "Synthesen unter verwendung von benzofuroxan," <i>Synthesis</i> , 1975, 415-522 (English abstract)	
<input checked="" type="checkbox"/>	DE	Li, X-J., et al., "Cloning, heterologous expression and developmental regulation of a <i>Drosophila</i> receptor for tachykinin-like peptides," <i>The EMBO Journal</i> , 1991, 10(11), 3221-3229	
<input checked="" type="checkbox"/>	DF	Li, X-J., et al., "Cloning, Functional Expression, and Developmental Regulation of a Neuropeptide Y Receptor from <i>Drosophila melanogaster</i> ," <i>The J. of Biological Chemistry</i> , 1992, 267(1), 9-12	
<input checked="" type="checkbox"/>	DG	Li, X.-J. et al., <i>D. melanogaster</i> neuropeptide receptor mRNA, complete cds, GenBank Accession No. M81490, April 26, 1993	
EXAMINER		DATE CONSIDERED	

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U.S. Department of Commerce Patent and Trademark Office		Filing Date October 20, 2000	Group 1623
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
<input checked="" type="checkbox"/>	DH	Lin, A. H., et al., "The oxazolidinone eperezolid binds to the 50S ribosomal subunit and competes with binding of chloramphenicol and lincomycin," <i>Antimicrobial Agents and Chemotherapy</i> , 1997, 41(10), 2127-2131	
<input checked="" type="checkbox"/>	DI	Liu, Q., et al., "Design of polydactyl zinc-finger proteins for unique addressing within complex genomes," <i>Proc. Natl. Acad. Sci. USA</i> , 1997, 94, 5525-5530	
<input checked="" type="checkbox"/>	DJ	Luckow, V. A., et al., "High Level Expression of Nonfused Foreign Genes with <i>Autographa californica</i> Nuclear Polyhedrosis Virus Expression Vectors," <i>Virology</i> , 1989, 170, 31-39	
<input checked="" type="checkbox"/>	DK	Luckow, V. A., et al., "Trends in the development of baculovirus expression vectors," <i>Bio/Technology</i> , 1988, 6, 47-55	
<input checked="" type="checkbox"/>	DL	Lyall, R. M., et al., "Tyrphostins inhibit epidermal growth factor (EGF)-receptor tyrosine kinase activity in living cells and EGF-stimulated cell proliferation," <i>J. Biol. Chem.</i> , 1989, 264, 14503-14509	
<input checked="" type="checkbox"/>	DM	Maguire, M. P., et al., "A new series of PDGF receptor tyrosine kinase inhibitors: 3-substituted quinoline derivatives," <i>J. Med. Chem.</i> , 1994, 37, 2129-2131	
<input checked="" type="checkbox"/>	DN	Maxwell, R. J., et al., " ¹⁹ F nuclear magnetic resonance imaging of drug distribution <i>in vivo</i> : The disposition of an antifolate anticancer drug in mice," <i>Magnetic Resonance in Medicine</i> , 1991, 17, 189-196	
<input checked="" type="checkbox"/>	DO	McColl, D. J., et al., "Structure-based design of an RNA-binding zinc finger", <i>Proc. Natl. Acad. Sci. (USA)</i> , 1997, Vol. 96, 9521-9526	
<input checked="" type="checkbox"/>	DP	Mini, E., et al., "Cytotoxic effects of folate antagonists against methotrexate-resistant human leukemic lymphoblast CCRF-CEM cell lines," <i>Cancer Res.</i> , 1985, 45, 325-330	
<input checked="" type="checkbox"/>	DQ	Monnier, D., et al., "NKD, a Developmentally Regulated Tachykinin Receptor in <i>Drosophila</i> ," <i>The J. of Biological Chemistry</i> , 1992, 267(2), 1298-1302	
<input checked="" type="checkbox"/>	DR	Monnier, D. et al., <i>Drosophila melanogaster tachykinin receptor (NKD) mRNA, complete cds, GenBank Accession No. M77168, April 26, 1993</i>	
EXAMINER		DATE CONSIDERED	

Form PTO-1449 Modified		Docket No. 6297.1cp/ PHRM-0295	Serial No. 09/693,746
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Lowery et al.	
U.S. Department of Commerce Patent and Trademark Office		Filing Date October 20, 2000	Group 1623
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
<input checked="" type="checkbox"/>	DS	Morris, R., et al., "Thrombin receptor expression in rheumatoid and osteoarthritic synovial tissue", <i>Ann. Rheum. Dis.</i> , 1996, Vol. 55, 841-843	
<input checked="" type="checkbox"/>	DT	Morrison, et al., "Genetically engineered antibody molecules," Dixon, F.J., et al. (Eds.), <i>Adv. Immunol.</i> , 1989, 44, 65-92	
<input checked="" type="checkbox"/>	DU	Murphy, A. J., et al., "From DNA to drugs: the orphan G-protein coupled receptors," <i>Cur. Opinion Drug Disc. Dev.</i> , 1998, 1(2), 192-199	
<input checked="" type="checkbox"/>	DV	Myers, P., "Will combinatorial chemistry deliver real medicines," <i>Curr. Opin. Biotechnology</i> , 1997, 8, 701-707	
<input checked="" type="checkbox"/>	DW	Nachman & Homan, in <u>Insect Neuropeptides: Chemistry, Biology and Action</u> , Menn, Kelly & Massler, Eds., 1991, 194-214, American Chemical Society, Washington, DC	
<input checked="" type="checkbox"/>	DX	Nakayama, G. R., "Microplate assays for high-throughput screening," <i>Cur. Opinion Drug Disc. Dev.</i> , 1998, 1, 85-91	
<input checked="" type="checkbox"/>	DY	Naldini, A., et al., "Thrombin modulation of natural killer activity in human peripheral lymphocytes," <i>Cell Immunol.</i> , 1996, 172, 35-42	
<input checked="" type="checkbox"/>	DZ	Nambu et al., "Isolation and Characterization of a Drosophila Neuropeptide Gene", <i>Neuron</i> , 1988, 1, 55-61	
<input checked="" type="checkbox"/>	EA	Nichols, R. et al., "Identification and Characterization of a <i>Drosophila</i> Homologue to the Vertebrate Neuropeptide Cholecystokinin", <i>J. Biol. Chem.</i> , 1988, 263, 12167-12170	
<input checked="" type="checkbox"/>	EB	Okayama, H., et al., "A cDNA cloning vector that permits expression of cDNA inserts in mammalian cells," <i>Mol. Cell. Biol.</i> , 1983, 3(2), 280-289	
<input checked="" type="checkbox"/>	EC	Padlan, E. A., "A possible procedure for reducing the immunogenicity of antibody variable domains while preserving their ligand-binding properties," <i>Molecular Immunol.</i> , 1991, 28(4/5), 489-498	
<input checked="" type="checkbox"/>	ED	Pausch, M. H., "G-protein-coupled receptors in <i>Saccharomyces cerevisiae</i> : high-throughput screening assays for drug discovery," <i>Trends in Biotechnology</i> , 1997, 15, 487-494	
EXAMINER		DATE CONSIDERED	

Form PTO-1449 Modified		Docket No. 6297.1cp/ PHRM-0295	Serial No. 09/693,746
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Vogeli et al.	
U.S. Department of Commerce Patent and Trademark Office		Filing Date October 20, 2000	Group 1623
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
<input checked="" type="checkbox"/>	EE	Peterson, G., et al., "Genistein and biochanin A inhibit the growth of human prostate cancer cells but not epidermal growth factor receptor tyrosine autophosphorylation," <i>The Prostate</i> , 1993, 22, 335-345	
<input checked="" type="checkbox"/>	EF	Phillips, S. D., et al., "Quino[1,2-c]quinazolines. I. Synthesis of quino[1,2-c]quinazolinium derivatives and the related indazolo[2,3-a]quinoline derivatives as analogs of the antitumor benzol[c]phenanthridine alkaloids," <i>J. Heterocyclic Chem.</i> , 1980, 17(19), 1489-1596	
<input checked="" type="checkbox"/>	EG	Pillemer, G., et al., "Insulin dependence of murine lymphoid T-cell leukemia," <i>Int. J. Cancer</i> , 1992, 50, 80-85	
<input checked="" type="checkbox"/>	EH	Pindon, A., et al., "Thrombin-induced reversal if astrocyte stellation is mediated by activation of protein kinase C β -1," <i>Eur. J. Biochem.</i> , 1998, 255, 766-774	
<input checked="" type="checkbox"/>	EI	Posner, I., et al., "Kinetics of inhibition by tyrphostins of the tyrosine kinase activity of the epidermal growth factor receptor and analysis," <i>Molecular Pharmacology</i> , 1993, 45, 673-683	
<input checked="" type="checkbox"/>	EJ	Reece, P. A., et al., "Pharmacokinetics of trimetrexate administered by five-day continuous infusion to patients with advanced cancer," <i>Cancer Research</i> , 1977, 47(11), 2996-2999	
<input checked="" type="checkbox"/>	EK	Rendu, F., et al., "Inhibition of platelet activation by tyrosine kinase inhibitors," <i>Biol. Pharmacology</i> , 1992, 44(5), 881-888	
<input checked="" type="checkbox"/>	EL	Riechmann, L., et al., "Reshaping human antibodies for therapy," <i>Nature</i> , 1988, 332, 323-327	
<input checked="" type="checkbox"/>	EM	Rogers, M. V., "Light on high-throughput screening: fluorescence-based assay technologies," <i>Drug Discovery Today</i> , 1997, 2(4), 156-160	
<input checked="" type="checkbox"/>	EN	Sauro, M. D., et al., "Tyrphostin attenuates platelet-derived growth factor-induced contraction in aortic smooth muscle through inhibition of protein tyrosine kinase(s)," <i>J. Pharm. And Experimental Therapeutics</i> , 1993, 267(3), 1119-1125	
<input checked="" type="checkbox"/>	EO	Schroeder, K. S., et al., "FLIPR: A new instrument for accurate, high throughput optical screening," <i>J. Biomolecular Screening</i> , 1996, 1, 75-80	
EXAMINER		DATE CONSIDERED	

Form PTO-1449 Modified		Docket No. 6297.1cp/ PHRM-0295	Serial No. 09/693,746
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Lowery et al.	
U.S. Department of Commerce Patent and Trademark Office		Filing Date October 20, 2000	Group 1623
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
<input checked="" type="checkbox"/>	EP	Sculier, J. P., et al., "Role of an intensive care unit (ICU) in a medical oncology department," No. 257, <i>Cancer Immunol. And Immunother.</i> , 1986, 23, A65	
<input checked="" type="checkbox"/>	EQ	Segal, D. J., et al., "Toward controlling gene expression at will: Selection and design of zinc finger domains recognizing each of the 5'-GNN-3' DNA target sequences," <i>Proc. Natl. Acad. Sci. USA</i> , 1999, 96, 2758-2763	
<input checked="" type="checkbox"/>	ER	Sikora, E., et al., "Quinazoline CB 3717 and CB 3703 inhibition of folate retention and metabolism in ehrlich ascites carcinoma cells and some organs of the host-mouse," <i>Cancer Letters</i> , 1984, 23, 289-295	
<input checked="" type="checkbox"/>	ES	Sikora, E., et al., "Development of an assay for the estimation of N ¹⁰ -propargyl-5,8-dideazafolic acid polyglutamates in tumor cells," <i>Analytical Biochemistry</i> , 1988, 172, 344-355	
<input checked="" type="checkbox"/>	ET	Sim, L. J., et al., "Identification of opioid receptor-like (ORL1) peptide-stimulated [³⁵ S]GTPyS binding in rat brain," <i>Neuroreport</i> , 1996, 7, 729-733	
<input checked="" type="checkbox"/>	EU	Smith, T. F., et al., "Comparison of biosequences," <i>Adv. Appl. Math.</i> , 1981, 2, 482-489	
<input checked="" type="checkbox"/>	EV	Smith-Swintosky, V. L., et al., "Protease-activated receptor-2 (PAR-2) is present in the rat hippocampus and is associated with neurodegeneration," <i>J. Neurochem.</i> , 1997, 69, 1890-1896	
<input checked="" type="checkbox"/>	EW	Stables, J., et al., "A bioluminescent assay for agonist activity at potentially any G-protein-coupled receptor," <i>Analytical Biochemistry</i> , 1997, 252, 115-126	
<input checked="" type="checkbox"/>	EX	Stratowa, C., et al., "Use of a luciferase reporter system for characterizing G-protein-linked receptors," <i>Current Opinion in Biotechnology</i> , 1995, 6, 574-581	
<input checked="" type="checkbox"/>	EY	Strosberg, et al., "Functional expression of receptors in microorganisms," <i>Trends in Pharmacological Sciences</i> , 1992, 13, 95-98	
<input checked="" type="checkbox"/>	EZ	Strosberg, A. D., et al., "Structure/function relationship of proteins belonging to the family of receptors coupled to GTP-binding proteins," <i>Eur. J. Biochem.</i> , 1991, 196, 1-10	
<input checked="" type="checkbox"/>	FA	Suidan, H. A., et al., "The thrombin receptor in the nervous system," <i>Semin Thromb Hemost</i> , 1996, 22(2), 125-133	
EXAMINER		DATE CONSIDERED	

Form PTO-1449 Modified		Docket No. 6297.1cp/ PHRM-0295	Serial No. 09/693,746
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Lowery et al.	
U.S. Department of Commerce Patent and Trademark Office		Filing Date October 20, 2000	Group 1623
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
FB	Sutherland, E. W., et al., "Some aspects of the biological role of adenosine 3',5'-monophosphate (cyclic AMP)," <i>Circulation</i> , 1968, 37, 279-306		
FC	Sweetnam, P. M., et al., "The role of receptor binding in drug discovery," <i>J. Natural Products</i> , 1993, 56(4), 441-455		
FD	Tempest, P. R., et al., "Reshaping a human monoclonal antibody to inhibit human respiratory syncytial virus infection <i>in vivo</i> ," <i>Bio/Technology</i> , 1991, 9, 266-271		
FE	Torfs, H. et al., "Characterization of a receptor for insect tachykinin-like peptide agonists by functional expression in a stable <i>Drosophila</i> Schneider 2 Cell Line", <i>J. Neurochem.</i> , 2000, 74, 2182-2189		
FF	Trejo, J., et al., "The cloned thrombin receptor is necessary and sufficient for activation of mitogen-activated protein kinase and mitogenesis in mouse lung fibroblasts," <i>J. Biol. Chem.</i> , 1996, 271, 21536-21541		
FG	Turgeon, V. L., et al., "Thrombin perturbs neurite outgrowth and induces apoptotic cell death in enriched chick spinal motoneuron cultures through caspase activation," <i>J. Neurosci</i> , 1998, 18(17), 6882-6891		
FH	Ubl, J. J., et al., "Characteristics of thrombin-induced calcium signals in rat astrocytes," <i>Glia</i> , 1997, 21, 361-369		
FI	Vanden Broeck, "G-protein-coupled receptors in insect cells", <i>Int. Rev. Cytology</i> , 1996, 164, 189-268		
FJ	Verhoeyen, M., et al., "reshaping human antibodies: Grafting an antilysozyme activity," <i>Science</i> , 1988, 239, 1534-1536		
FK	Wieboldt, R., et al., "Immunoaffinity ultrafiltration with ion spray HPLC/MS for screening small-molecule libraries," <i>Anal. Chem.</i> , 1997, 69(9), 1683-1691		
FL	Williams, M., "Receptor binding in the drug discovery process," <i>Medicinal Research Reviews</i> , 1991, 11(2), 147-184		
FM	Wolbring, G., et al., "Inhibition of GTP-utilizing enzymes by tyrophostins," <i>J. Biol. Chem.</i> , 1994, 269(36), 22470-22472		
EXAMINER		DATE CONSIDERED	

Form PTO-1449 Modified		Docket No. 6297.1cp/ PHRM-0295	Serial No. 09/693,746
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Lowery et al.	
U.S. Department of Commerce Patent and Trademark Office		Filing Date October 20, 2000	Group 1623
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	FN	Wu, H., et al., "Building zinc fingers by selection: toward a therapeutic application," <i>Proc. Natl. Acad. Sci. USA</i> , 1995, 92, 344-348	
	FO	Yoneda, T., et al., "The antiproliferative effects of tyrosine kinase inhibitors tyrophostins on a human squamous cell carcinoma in vitro and in nude mice," <i>Cancer Research</i> , 1991, 51, 4430-4435	
*	FP	Berger et al., "Guide to Molecular Cloning Techniques," in <i>Methods in Enzymology</i> , Academic Press, Inc., San Diego, CA, 1987	
*	FQ	Cobbold, et al., "Aequorin measurements of cytoplasmic free calcium," In: McCormack J.G., et al. (Eds.), <i>Cellular Calcium: A Practical Approach</i> , 1991, Oxford, IRL Press	
*	FR	<i>Current Protocols in Molecular Biology</i> , John Wiley & Sons, NY, 1999	
*	FS	Eisenthal, R. et al., in <i>Enzyme Assays: A Practical Approach</i> , Oxford University Press, 1992	
*	FT	Harlow, E. et al., in <i>ANTIBODIES: A Laboratory Manual</i> , Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, 1988	
*	FU	Haugland, <i>Handbook of Fluorescent probes and Research Chemicals</i> , 6 th Ed., 1996, Eugene OR: Molecular Probes	
*	FV	Hendrix, R.W. (ed.), <i>Lambda II</i> , Cold Spring Harbor Press, Cold Spring Harbor, NY, 1980	
*	FW	Hershey, A. D. (ed.), <i>The Bacteriophage Lambda</i> , Cold Spring Harbor Press, Cold Spring Harbor, NY, 1973	
*	FX	Kruse et al. (eds.), in <i>Tissue Culture</i> , Academic Press, 1973	
*	FY	O'Rielly et al. (eds.), in <i>Baculovirus Expression Vectors: A Laboratory Manual</i> , W.H. Freeman and Company, New York, 1992	
*	FZ	Sambrook et al., in <i>Molecular Cloning: A Laboratory Manual</i> , second edition, Cold Spring Harbor Press, Cold Spring Harbor, NY, 1989	
EXAMINER		DATE CONSIDERED	

A copy of this reference will not be forwarded to the U.S. Patent and Trademark Office since it is believed to be too voluminous and easily obtainable by the Examiner.

Form PTO-1449 Modified			Docket No. 6297.1cp/ PHRM-0295	Serial No. 09/693,746		
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)			Applicant Lowery et al.			
U.S. Department of Commerce Patent and Trademark Office			Filing Date October 20, 2000	Group 1623		
U. S. PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Name	Class	Subclass
	GA	4,343,940	08/10/82	Kreighbaum et al.	544	283
	GB	4,399,216	08/16/83	Axel et al.	435	6
	GC	4,447,608	05/08/84	Jones et al.	544	287
	GD	4,683,195	07/28/87	Mullis et al.	435	6
	GE	4,683,202	07/28/87	Mullis	435	91
	GF	4,757,072	07/12/88	Kabbe et al.	514	257
	GG	4,879,236	11/07/89	Smith et al.	435	235
	GH	5,217,999	06/08/93	Levitzki et al.	514	613
	GI	5,302,606	04/12/94	Spada et al.	514	357
	GJ	5,316,553	05/31/94	Kaul et al.	8	639
FOREIGN PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Country	Translati n	
	GK	0 367 566	05/09/90	EPO	YES	NO
	GL	0 520 722	12/30/92	EPO		
	GM	0 562 734	09/29/93	EPO		
**	GN	0 566 266		EPO		
	GO	91/09955	07/11/91	WO		
	GP	91/15495	10/17/91	WO		
	GQ	92/21660	12/10/92	WO		
EXAMINER			DATE CONSIDERED			

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Form PTO-1449 Modified		Docket No. 6297.1cp/ PHRM-0295	Serial No. 09/693,746
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Lowery et al.	
U.S. Department of Commerce Patent and Trademark Office		Filing Date October 20, 2000	Group 1623

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	/GR	5,330,992	07/19/94	Eissenstat et al.	514	312
	/GS	5,585,277	12/17/96	Bowie et al.	436	518
	/GT	5,880,141	03/09/99	Tang et al.	514	339

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	/GU	91/18982	12/12/91	WO		
	/GV	92/20642	11/26/92	WO		
	/GW	92/20808	11/26/92	WO		
	/GX	93/11236	06/10/93	WO		
	/GY	94/03427	02/17/94	WO		
	/GZ	94/12650	06/09/94	WO		
	/HA	94/14808	07/07/94	WO		
	/HB	95/20652	08/03/95	WO		
	/HC	96/22976	08/01/96	WO		
	/HD	97/09433	03/13/97	WO		
	/HE	98/37177	08/27/98	WO		
EXAMINER				DATE CONSIDERED		

Notice of References Cited

Application/Control No.

09/693,746

Applicant(s)/Patent Under

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U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-			
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	Voet et al. Biochemistry. 1990. John Wiley & Sons, Inc.. pages 126-128 and 228-234
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)

Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.